

# JOURNAL.32

winter solstice 32 @ 02:42

Solrise @ 06:55

luna 384.23

starbucks, la palma

**384.23 @ 07:13**

**32.01 — 16.12.21**

**letter to ray jackendoff**

i'm having great fun reading

"foundations"

i've been obsessed with language most  
of my life

but not from an academic perspective

my sense is that linguistics is in a similar  
position as astronomy was in before  
the heliocentric model was  
accepted...

epicycles within epicycles of complexity  
it worked... sorta

all we have is "direct  
experience" (whatever that mystery  
is)

and stories

and the "we" we have (the "i" i have)  
showed up late in the game  
it was already in play before "i"  
appeared

"i" entered the arena mid-game

**384.24 @ 19:52**

**32.02 — 16.12.22**

**384.25 @ 16:58**

**32.03 — 16.12.23**

<https://microsoft.docs.contently.com/v/welcome-to-surface-the-innovators-guide-to-modern-notetaking?rmv=745890&cid=mktosbmt&alid=246237192>

**384.28 @ 17:03**

**32.06 — 16.12.26**

there are so many "memes" floating around

apparently...

most people are satisfied

if something sorta sounds good, pleasant, inspirational, loving, etc

the idea of inspecting it...

examining it word-by-word

to see if it bears any relationship

to personal life experience...

to see if it makes any sense at all

seems not to occur to most people

it's just too much trouble

driving a car analogy

manage air/gas ratio  
control the spark plug timing

computer operating system analogy

macOS  
windows

**385.01 @ 18:08**  
**32.08 — 16.12.28**

VDRY	Audrey	older
DJEYD	Jade	younger

**385.04 @ 16:19**  
**32.11 — 16.12.31**

**385.05 @ 22:05**  
**32.12 — 17.01.01**

**good mantras to stop the language  
machine**

stop it

thank you Bob

thank you Bob for giving life to me

thank you Bob for bringing me into  
existence

**385.08 @ 18:12**

**32.15 — 17.01.04**

knew ya

sue ya

to ya

do ya

fool ya

fireopal = viola

**385.17 @ 15:33**

**32.24 — 17.01.13**

instant vs. gradual enlightenment

instant is shocking and unmistakable

gradual is more subtle and not noticed  
so easily

**385.22 @ 22:40**

**32.29 — 17.01.18**

**new  
podcast**

# **THE ITCH**

**one-on-one  
with heron stone**

**ΘΥ  
Itʒ**

**385.25 @ 21:59**

**32.32 — 17.01.21**

neolithic language is adequate  
if you're a member of a species  
of hunter-gatherer language monkeys

neolithic english is not sufficient  
for a space/time-faring language  
monkey

we need a new language... EarthLing  
we need a new story

we need to eliminate  
the four stupidities of english

language came from navigation  
systems  
the miracle of language is that it  
escaped the skulls of individual  
monkeys and became externalized  
in a community

## **an Earthling's birthright**

20' x 20' shelter with electricity  
w/bathroom, microwave, toaster  
oven, refrigerator  
water and food  
clothing  
health care  
phone/computer/internet  
transportation

## **an Earthling's obligation**

one moon per year service work

<http://192.168.0.7:8080>

**386.10 @ 18:33**

**32.47 — 17.02.05**

i see only one solution to Earth's  
problem

human must wake from the trance of  
language

kumon

**386.26 @ 21:14**

**32.63 — 17.02.21**

a process for students

close eyes

? what do you hear



? what do you feel  
? what do you smell  
?...

go thru ALL senses

? where is "i"  
? do you experience "i"

we say, ""i" experience"  
? but do we experience "i"  
? who/what is this "i"

? is it a linguistic fiction  
helpful in making a story  
of our experience

**386.27 @ 15:34**

**32.64 — 17.02.22**

science news

"Computer programs that rely on  
genetic data alone split populations  
of organisms into five to 13 times as  
many species as actually exist"

"species" don't actually exist  
there are individual organisms with  
varying degrees of relatedness and  
historical connections

"species" is a convenient abstraction  
invented to help us think about the  
varieties of life we encounter

calendar

intro  
history of time  
how it works

bios  
160 characters  
150 words  
500 words

**387.01 @ 15:34**  
**32.68 — 17.02.26**

**387.05 @ 16:44**  
**32.72 — 17.03.02**

**387.09 @ 17:28**  
**32.76 — 17.03.06**

**387.10 @ 15:44**  
**32.77 — 17.03.07**

i was born in 1967 at the age of 21

thru no intention of my own  
i stumbled upon a book by alan watts

and as a result, came to a blinding  
realization  
that everything i knew was wrong...  
that all my ideas about who i was  
what i could do  
what i should do  
what i shouldn't do  
what was important in life, etc.  
was all just a story i'd been sold  
before i was conscious enough  
to even think about it

i never recovered from the shock

i spent the next ten years  
reading/studying zen and psychology

after ten years i came to another  
realization...  
although i was better at talking about it  
i was no closer to what i sought  
than when i began

but i did realize that all my endeavors  
consisted of activities in the domain of  
language...  
reading, writing, speaking and listening

a university professor/friend suggestion  
i read  
"science and sanity" by alfred korzybski

immediately i began to see progress  
in what i was pursuing

one thing i discovered  
was that there are two ways  
of disposing of a nagging question...

1. find an adequate answer
2. see thru the question...  
realize that it is a meaningless  
sequence of phonemes

since then i have been developing  
methodologies  
to assist people to awaken  
from the trance of language

only in the past couple years  
have i begun to feel confident  
that i'm close to succeeding

the voice in your head is not something  
YOU are doing  
it's something happening TO you  
you have been hijacked by your own  
language machine  
wake up from the trance of language

**387.22 @ 22:14**

**32.89 — 17.03.19**

communication and originality

there is no doubt without security  
the time fast approaches

when justice will no longer be able to  
withstand  
the forces of organization  
in the past, we have been content with  
mere control  
but now we must move beyond  
expansion to philosophy  
always remember...  
that the fundamental force behind  
tragedy  
is not stupidity,  
but simplicity  
and of course, the convergence of love  
and toenails  
leads inevitably to greater equality  
the age of faith has arrived  
? which side are you on

communication and originality

there is no doubt without security  
the time fast approaches  
when justice will no longer be able to  
withstand  
the forces of organization  
in the past, we have been content with  
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tragedy

is not stupidity,  
but simplicity  
and of course, the convergence of love  
and toenails  
leads inevitably to greater equality  
the age of faith has arrived  
? which side are you on

max  
? do you have suggestions for other  
words  
i want to remove a few  
stupidity  
excellence  
expansion  
so i might have room for a few more

**give audience a strategy to engage  
when their language machine  
is out of control**

**388.01 @ 20:17  
32.08.97 — 17.03.27**

**388.02 @ 22:39  
32.09.98 — 17.03.28**

**388.05 @ 19:54  
32.12.101 — 17.03.31**

thanks for the opportunity to examine  
your training

what has become clear to me is that i  
have no interest in the business end  
of this undertaking

i'm 71 years old and comfortable in my  
life as it is

i'm a hermit/monk who leads a very  
simple life

i do, however, want to see my work in  
language, etc. pushed deeper into  
the world

what want is someone who knows your  
system and will partner with me to  
do that

i'm not greedy

i don't need much at all

i'm quite willing to split income

find the right partner

if god wants my work  
he'll have to support it

**388.10 @ 12:07**

**32.17.106 — 17.04.05**

**388.18 @ 18:02**

**32.25.114 — 17.04.13**

feedback

josh

### **5 starting assumptions**

1. "i" showed up mid game
2. "i" has direct "experience"  
thru about 20 senses
3. "i" has stories about my experience
4. "i" has stories about my stories about  
my experience
5. etc.

in some sense, all senses can be seen  
as forms of touch

**388.19 @ 13:50**

**32.26.115 — 17.04.14**

xxx xxxxxxxx xxxx xxxx xxxxxxxx

"just suppose" you could...

"? would it be fair to say..."

"don't X unless you want really to y

an objective of gendo...  
identifying and removing



unnecessary self-limiting assumptions  
about who/what we are...  
about what we can accomplish

we've been thru this before...  
a billion years ago

i thought i was an amoeba

then a bunch of us got together  
and now i'm you  
and when enough of us get together

i am Earth

**388.24 @ 13:50**  
**32.31.120 — 17.04.19**

this coming summer  
50 years ago,  
at an age of 21,  
i set out for enlightenment

i'm no longer seeking enlightenment

i'm now seeking to refine  
my unique path/journey

**388.27 @ 12:17**  
**32.34.123 — 17.04.22**

**169.4 lbs**

early small yes  
voluntary  
active  
public

delay before asking for bigger yes  
give a compliment  
before asking for favor

**388.29 @ 12:30**

**32.36.125 — 17.04.24**

**168.1 lbs**

or piccinini

I tend to believe that every external  
condition, situation and process is a  
direct or indirect result or effect of an  
internal or concealed condition,  
situation and process.

Money, I know, is one of these  
situations, conditions and processes  
that has been a challenge for  
countless people to fully open up to.  
I'm one of those people.

Yet it's not as simple as saying I'm not  
having an "abundance mindset" or

that I do not have a rich and abundant life.

Abundance of wealth and having the feeling of being rich is not the issue; abundance of money and having the feeling of being monetarily rich is.

I think the problem to me is simply, I have an idea that money is this twisted thing that I don't want to be a part of, yet I simultaneously am telling myself, "Well, like it or not, this is the way it is. Money makes the world go around. Even though it is destroying everything you love about the world, it's also being used for plenty of what makes it enjoyable and livable". It's like the adage, "If you can't beat em, join em." Which has never been an adage I've really related to.

I'm sure plenty of people can relate to this sentiment and condition.

The past few jobs I've had. Shall I say more? The labor I'm putting in is not yielding what I believe that time and effort is worth, and what, frankly, I need in order to get ahead, is what it comes down to. It seems there is an unbalanced agreement. I've left each feeling a little betrayed, though

in the next breath, I'm back at my heart center and feeling grateful simply to be alive and to be able to calmly enjoy the simple things.

Yet, at the same time, I Want More!

Ha! Maybe that's the problem!

I got a letter today from the Department of the Treasury informing me that first, this letter was not a bill, and second, that they had chosen to confiscate the money they had me convinced was coming to me from taxes, to pay off some vague unnamed debt.

I laughed it off and ripped up the paper to symbolize washing my hands of the situation. Yet, of course, there's some frustration there, and a subtle feeling of loss too, of something I wouldn't have cared about had it not been promised. I'm used to being Cavalier about these let-downs, though, that life has been full of, that really I tend to believe are inconsequential. I've developed the talent/coping mechanism of instantly shifting my mood to the way it was before I confronted the frustration.

The word "agenda" is written in a large, elegant, black cursive script. The letters are fluid and connected, with a prominent 'g' that loops around. The word is centered within a light gray rectangular background.

To complicate the psychological puzzle further, I have also on this same day been asked to join into a moneyless network of people supporting each other with the same services and products we would typically pay for. I'm feeling like I'm not fully in alignment even to receive this--even though fundamentally, I believe this alternative economic model is closely aligned with my truest values.

I find that I'm brushing off this opportunity and invitation to be true to those values, though, by telling myself I will have to wait until I'm making healthier choices before I can accept stepping up as an active responsible citizen of this alternative world that I've known for ages exists, (and before that, I knew has

a strong potential to exist) as the change we want to see in the world.

I am fully capable of figuring this puzzle out on my own, and at the same time, I am at peace with what is. I also know and practice strategies for transforming my psyche that don't require any stress--actually, the opposite, they are meditative.

One last thing I think is relevant now that I think about it: I got to engage with the Earth today, uprooting old plants to make room for new vegetation that is supposed to offer food.

I'm conditioning the mind as I'm conditioning the Earth, with the intention to yield certain results. I also don't really know what to expect or if it even matters. Hmm...

Out with the old money programmed process and in with the new?!

I see positive signs of this transformation all around. I've contemplated two copper pieces today that were gifts.

I am economically viable. Just maybe  
time to reinvest my interests into  
nature's economy.

There is a metaphysics here that I've  
been vaguely aware of, yet as my  
ego wills, I have been keeping the  
source of this frustration concealed  
from myself. As you can read, I've  
been working it out "on my own".  
It's nice to glean some other  
perspective, though. Maybe one of  
my wizard friends can help me out  
here.

i help people  
reprogram their language machines...  
eliminating the five stupidities of english  
so that they can think more precisely  
and communicate more clearly

**389.01 @ 11:48**

**32.38.127 — 17.04.26**

day 1 challenge

- What is your course?

gendo: tactical language

- Which type of transformation does it provide?

the voice in your head is not something YOU are doing

it's something happening TO you  
you have been hijacked by your own language machine

waking up from the trance of language

is a game-changer

- Who are your “right people?”

i see at least three distinct groups

1. parents

2. business/science groups who spend a lot of time

talking to each other

3. seekers of truth

day 2 challenge

1. how are your results different?

improve every aspect of your life by becoming less stupid...

more smart comes later

2. how is your method better?

rather than dealing with “problems”

one at a time,

cut them at their linguistic root

3. how is your strategy different?

rather than dealing with “problems”

one at a time,



cut them at their linguistic root

day 3 challenge

course name: gendo - tactical language

module 1: the most dangerous word in  
english

module 2: the problems of reification

module 3: absolutism

module 4: dualism

module 5: identity... the verb "to be"

module 6: breaking identity with the  
language machine

## The Value of Missed News

Sometimes I stumble  
upon old news I somehow missed --  
in this vortex of that --  
news I would have certainly worried  
about,  
had I not missed it,  
yet it is now too late,  
the murders of yesteryear,  
as if there were ever any shortage of  
them.

The mind cannot digest  
the aggregate miseries of the world  
without choking on empathy and fear.

I stumble upon old news I missed,  
grateful that it has spared my nerves  
without giving me a guilty conscience  
the outcomes of past conflicts  
no longer uncertain.

I can feel  
sad, or neutral, or happy,  
but there is nothing to be afraid of any  
longer.

Had I not missed the news,  
I would have worried myself sick,  
sometimes to the point  
of physically spraining a muscle.

- philip nikolayev

**389.02 @ 20:30**

**32.39.128 — 17.04.27**

i'm not here to solve your problems  
i'm here to make you aware of a  
problem  
you don't know you have yet

**389.07 @ 23:47**

**32.44.133 — 17.05.02**

gendo...

when you need to do  
some deliberate intentional thinking

**389.08 @ 18:07**

**32.45.134 — 17.05.03**

**389.09 @ 17:29**

**32.46.135 — 17.05.04**

? where should Earth HQ reside...  
initially

? what are the requirements  
universal health care  
universal wage  
universal labor draft

**389.10 @ 18:46**

**32.47.136 — 17.05.05**

write

being a hermit

in the internet age

the society of hermits

**389.11 @ 18:16**

**32.48.137 — 17.05.06**

**389.12 @ 15:27**

**32.49.138 — 17.05.07**

run a flag up the pole  
and see who salutes it

**389.16 @ 18:55**

**32.53.142 — 17.05.11**

**389.19 @ 23:06**

**32.56.145 — 17.05.14**

JRYØVFZURSVVØYU2

**389.20 @ 20:12**

**32.57.146 — 17.05.15**

**important new terminology**

language monkey

language machine

epistemology

gen

da

*tactical language*

Earth

form the Earth party

**389.22 @ 18:41**

**32.59.148 — 17.05.17**

well...

i guess i just can't argue with a guy  
who knows the real truth

good night sir

**390.01 @ 18:24**

**32.67.156 — 17.05.25**

one of the challenges i face  
is becoming worthy of  
planetary citizenship  
to accept stewardship  
as a native Earthling

**390.03 @ 21:29**

**32.69.158 — 17.05.27**

call 800s

you're as ocd as me  
400 correctly spelled words  
though they thought they thrashed  
them thoroughly

**390.06 @ 18:47**

**32.72.161 — 17.05.30**

we need a shared starting point  
minimum set of operating assumptions

1. direct perceptual experience
2. stories about dpe
3. stories about stories...

we need to clean up our stories about  
dpe  
reduce the number of redundant terms

language transcends individuality  
"i" is not bound by a particular body

a lone entity with language is  
inconceivable

language emerges in a community... a  
tribe  
language belongs to the tribe...  
not an individual

**390.14 @ 10:01**

**32.80.169 — 17.06.07**



**165.3 lbs**

**390.17 @ 16:34**

**32.83.172 — 17.06.10**

**390.24 @ 14:02**

**32.90.179 — 17.06.17**

**164.3 lbs**

**390.25 @ 23:22**

**32.91.180 — 17.06.18**

**Earth's children**

political party

**summer solstice**

**390.27 @ 18:32**

**32.1.182 — 17.06.20**

*genda*

tactical language manual

you can't say who/what you really are  
language doesn't go there

**390.29 @ 19:18**

**32.3.184 — 17.06.22**

there is no clear sense of my beginning  
there is no memory of when "i" first  
showed up  
there is direct immediate sensory  
experience (dise)  
there are stories about dise  
there are stories about stories about  
dise...  
that's all

"i" is a story  
"reality" is a story

**391.01 @ 19:18**

**32.4.185 — 17.06.23**

**391.02 @ 14:19**

**32.5.186 — 17.06.24**

**163.5 lbs**

**391.03 @ 12:02**

**32.6.187 — 17.06.25**

**161.6 lbs**

### **navigation**

at the simplest...

cells are attracted to

or repelled by

certain identifiable situations

temperature

ph factor

nutrients

poisons

other chemicals

light/dark

other “organisms”

**391.14 @ 17:36**

**32.17.198 — 17.07.06**

doing physical gendo

using yoga postures

as meditation postures

stable positions that require no effort to  
maintain

maxing out a posture  
sitting on floor, legs spread wide  
chest to floor

**391.15 @ 21:53**

**32.18.199 — 17.07.07**

orson hend  
dennis horn  
heron stone  
nrdo hesson  
edna hosner  
o. hendersen  
send her a “no”  
no nurse ahead  
noah headnurse

**391.16 @ 13:05**

**32.19.200 — 17.07.08**

two blue chairs  
blue two chairs

**391.17 @ 20:39**

**32.20.201 — 17.07.09**

discovering my “self”

? 7-8 years old  
it was in the afternoon  
i was alone in the hallway outside the  
bathroom

where i had just finished showering  
i was not aware of anyone else around  
i was naked in front of a full length  
mirror  
i stood with my back to the mirror  
and bent over,  
looking thru my legs  
at my asshole

i'd never seen it before

it was about what i expected

it was MY asshole

it seemed really significant in the  
moment  
i still remember it clearly

**391.18 @ 13:27**

**32.21.202 — 17.07.10**

**160.7 lbs**

**391.20 @ 13:10**

**32.23.204 — 17.07.12**

**160.5 lbs**

**391.21 @ 19:09**

**32.24.205 — 17.07.13**

**391.22 @ 12:41**

**32.25.206 — 17.07.14**

**159.8 lbs**

thank you Bob

**391.23 @ 10:22**

**32.26.207 — 17.07.15**

**159.2 lbs**

**391.24 @ 12:00**

**32.27.208 — 17.07.16**

**158.2 lbs**

looking back on my first awakening/  
lesson

instigated by alan watts  
in the summer of 1967  
in manhattan beach, california  
praise Bob

it didn't so much change the direction  
of my life...

it gave my life its first direction/  
intention...

to figure out what's going on here  
as a consequence of reading watts'  
"the supreme identity", i became  
acutely aware that all my ideas  
about who i am, and what  
happened to me, and what i did,  
and what i can do and can't do, and

what i should do and shouldn't do,  
and blah blah blah, were just a  
bunch of stories i'd been sold when  
i was too young to understand what  
was happening

it became absolutely clear to me  
that everything i knew was  
just the story i'd been sold...  
not, THE WAY IT WAS  
i had to start over  
and build my own understanding  
i never recovered

as i look back on it now, i see that,  
as blown away as i was,  
i saw only the tip of the iceberg

**391.25 @ 14:02**

**32.28.209 — 17.07.17**

? how can the Earth party be formed  
? can we start in california  
? can we call it "california party"

**391.26 @ 19:02**

**32.29.210 — 17.07.18**

**391.27 @ 20:04**

**32.30.211 — 17.07.19**

**391.28 @ 20:30**

**32.31.212 — 17.07.20**

**391.29 @ 19:16**

**32.32.213 — 17.07.21**

**391.30 @ 09:28**

**32.33.214 — 17.07.22**

**157.9 lbs**

on being a hermit...

living alone, without a constant barrage  
of language from other language  
monkeys, is an unusual way of living  
most language monkeys spend the vast  
majority of their life/time in  
“conversation” with other language  
monkeys

**392.01 @ 22:07**

**32.34.215 — 17.07.23**

pimple-popping pupils

**392.02 @ 18:01**

**32.35.216 — 17.07.24**

VDRY	Audrey	older
DJEYD	Jade	younger

the word “i”

sometimes i refers to the monkey body

sometimes i refers to one who “feels”

emotions

sometimes i refers to one who intends

results



sometimes i refers to one who

**392.03 @ 20:00**

**32.36.217 — 17.07.25**

tell him how happy i am with the 0900  
start time

my drive is better and it's more efficient  
but...

history

i've trained every editor for the last ten  
years

we've developed a system to publish  
papers efficiently and quickly

vince destroyed that when he allowed  
amaia to begin with no training on  
production techniques

**392.05 @ 20:34**

**32.38.219 — 17.07.27**

experiences for which there are no  
words...

no maps...

yet

a useful distinction

? who am i

? to what does the word "i" refer

my (a) question is...

? who wants to know the distinctions

i assume most humans have not given  
more than occasional examinations  
to this topic

they have given up on knowing “who/  
what i am”  
and cover it up with bravado and a  
story

if we're serious about this pursuit,  
we're gonna hafta take a  
serious look at language  
it goes both ways...  
language can influence thought  
thought can influence language

**392.07 @ 13:56**

**32.40.221 — 17.07.29**

**156.6 lbs**

**392.10 @ 19:36**

**32.43.224 — 17.08.01**

**calendar website**

sales page(s)

forum

purchase/download

current moon download

teamspeak3

facebook page

**calendar marketing plan**

facebook  
druids  
astrology  
astronomy  
scientists  
hikers  
sailors  
naturalists  
Earthists  
lunatics  
sun worshippers

### **create a real app**

you designate your coordinates  
calendar configures itself

**392.11 @ 20:30**

**32.44.225 — 17.08.02**

**392.12 @ 18:48**

**32.45.226 — 17.08.03**

### **doing gendo**

ts3 weekly meetings  
ts3 open rooms 24/7  
at least 2 15-minute observation/  
    meditation sessions  
at least 4 days/week  
avoiding getting caught up in it  
observing  
noting

chances are... gendo is probably not  
    for you

i guess gendo's audience is around  
5-10%... maybe considerably less  
even 2% is still a lot of Earthlings  
it's not my job to convince you that you  
should do this  
you've been thru the material  
you've earned the red buckle  
? do you want to take it to a deeper,  
more powerful level  
no money back guarantees  
don't do it if you're not willing to accept  
100% responsibility for your results  
there is no one to reprogram your  
language machine but you  
we, as a community of reprogrammers,  
will develop/share strategies  
together

**392.14 @ 23:17**

**32.47.228 — 17.08.05**

**392.15 @ 11:37**

**32.48.229 — 17.08.06**

**156.1 lbs**

**392.16 @ 14:05**

**32.49.230 — 17.08.07**

**154.2 lbs**

my intention is to develop an utterance  
such that 5% of hearers  
are immediately liberated  
from the trance of language

the current pre-beta version is...

voice in your head  
is not something YOU are doing

it's something happening TO you

you have been hijacked  
by your own language machine...

waking up  
from the trance of language  
is a game-changer

nice words... but almost totally  
ineffective

zoom.us

**392.20 @ 15:04**

**32.53.234 — 17.08.11**

**392.21 @ 21:31**

**32.54.235 — 17.08.12**

traffic in u.s.  
dead 40,000/yr  
109/day

seriously injured 5,000,000/yr  
13,700/day

german shepherd mix  
female, 3 years old

free to a good home  
she's a good dog,  
but no one is home  
or too busy for her  
most of the time  
she deserves better  
she's a strong, vigorous dog,  
so she's probably not for the frail

we can create paradise  
but we have to take into consideration  
the "underclasses" around Earth  
not just in america

paradise must serve everyone

a missed/recalled thought...  
mistaking a way of thinking about  
something  
for THE WAY IT REALLY REALLY IS  
this is totally insane thinking

it worked ok for small hunter gatherer  
groups  
the agricultural revolution ended all that

but we still think in terms from the  
neolithic structure of our language

this kind of cultural blindness/insanity  
didn't make much difference until  
recently  
now, it is destroying all the older  
concepts of political unity

**392.23 @ 22:02**

**32.56.237 — 17.08.14**

shoot you  
2ut2U

**392.25 @ 21:42**

**32.58.239 — 17.08.16**

? how can you...

ideas are eluding me  
between realizing i want to write it down  
and opening Pages...  
it evaporates  
i remember them as profoundly simple  
possibly transformative  
like "language machine"

**392.26 @ 19:45**

**32.59.240 — 17.08.17**

# Introducing Embodied Linguistics

Language – as we common refer to it – is uniquely human. In fact, we can go so far as to say that human without language is no better than a humanoid or an ape. We can very well imagine that the day when language was born was the day when memetic evolution started to dislodge biological evolution. The result of this change in pace of evolution is spectacular as we experience our world today. We have come a long way from being a caveman to an urban citizen thanks to language.

For as long as language has existed, people, philosophers and scientists have been puzzled by how what seems so effortless to a human is so hard to explain in biological terms. Amazing advances in computing and formulation of [Alan Turing](#)'s test in the last century has driven a whole generation of scientists fervently looking for computational models that can best approximate human brain functioning and thereby create artificial intelligence (A.I). The efforts are laudable and have recently seen resurgence in the form of Machine Learning. The unfortunate side effect of this line of enquiry has been to promote that human intelligence as a computable entity external to humans. A stretch on the same line of thought is that human cognition can be essentially replicated outside human body. The consequences of disembodied cognition is that human language communication and understanding can be explained as a disembodied phenomenon.

My position is simple – as long as language is seen as a rewriting procedure based on production rules and formalized as a grammar, the computational approaches are sound. Based on description of language syntax, we can design systems that are capable of generating or parsing strings and expressions of a certain grammar. [Noam Chomsky](#)'s seminal work on Formal Grammars has led to significant advances on computational approaches, complexity classes and applicability to human language based interactions. The place where things get murky is when comprehension of human language is investigated as a computable



entity which is essentially self-contained. In other words, when can I unambiguously say that a sentence is meaningful whether I understand it or not?

Note that I slipped in two words that I have been exploring in the context of language comprehension – meaningful and understanding. *Meaning* is the limiting condition when gist of a lingual expression is established in accordance with the beliefs and knowledge of the hearer. There can be several meanings to a syntactically correct sentence each of which depends on the level of isolation of that sentence from the context of utterance.

*Understanding* can be seen as a self-reflective state that can be distinguished from meaning in the following sense – “I follow (as the gist or meaning) what you say but I don’t understand it”. In some way my self-realization of my understanding is to establish a coherence between the speaker’s intent, my current listening context and the current expression.

One challenge in exploring human language comprehension is the fact that language is less an individual contribution and more a cultural artifact that establishes a means to communicate effectively. The origin of human language is shrouded in mystery given that all human languages have spoken/sign forms while few of them have written representations.

Although the record of written language goes only so far, classical languages like Sanskrit and Latin have been handed down several generations and are rather well preserved in a spoken and written form.

In my quest to establish key tenets of language that can help us relook at language as an embodied phenomenon led me to investigate the amount of scholarship created around Sanskrit as a classical language, its etymology, grammar and semantics. It is widely accepted that [Pāṇini’s Aṣṭādhyāyī](#) is a monumental effort that has, on one side, unified Vedic and Conventional Sanskrit of that age, and, on the other side, is an extensible system that describes how Sanskrit Syntax works. As several Sanskrit scholars have observed, Pāṇini has created a comprehensive treatise around

sounds, phonemes, syllables, words and sentences.

One authoritative commentary on Pāṇini's Aṣṭādhyāyī is [Patañjali](#) Mahābhāṣya which is seen as the fountainhead of all things related Sanskrit language and comprehension. Very early Patañjali makes an astute observation that validity of a word is eventually proven by its usage. Thus, the final completeness or correctness of any human language effort is established by people who eventually use it in their daily life. This is quite consistent with what we currently refer to as a living language – a language that is sustained by a community of people to run their daily lives efficiently. There could be shortcomings or advantages as we compare language expressiveness with regards to latest words or usages in other languages. These comparative points are useful but are not limitations to establish a language as a living language capable of sustaining a culture and worldly transactions.

Taking cue from Patañjali's observation on validity of a word being proven by usage puts us in a strange situation. On one side there is clear evidence that human brain does some kind of processing to communicate using human language, and on the other side, the feedback from the community of users defines how meaning is established for the terms used in the communication. Another way to interpret this observation leads to the classic dilemma of whether meaning is subjective or objective or both. Human language lands us right in the middle of subjective and objective experiences. In this essay series, I wish to focus on how lexical semantics – or meaning of words – can be established within an embodied context. So, I start with a self-evident axiom:

**Axiom1:** *Human Language is an expression of humans.*

Consequences of Axiom 1 are as follows:

Human language, is therefore, embodied in human body.

A finer granular exploration can scope human language as a capability of human brain which can use the embodied facilities of being housed in a human body to

compute the various aspects of human language.

Focus is on processing capabilities of human body as an entire system responding to human language generation and comprehension.

Correspondingly, some points not in scope of my investigations are as follows.

I am less concerned whether machines can achieve human language competency or pass Turing's test for intelligence.

It is conceivable that if suitable morphisms are established between human body as the computational system and any other disembodied system, human language could be realized in a way quite close to what we currently see as representatives of human language. How far this can be achieved can be seen only after sufficient progress has been made on current topic of embodied linguistics.

We are in a golden age of neuroscience and machine learning. At some level of discourse we agree that technology serves humans delivering efficiency and improving quality of life on the planet. The more we wish to see disembodied technology becoming more "human" the greater is the necessity to understand human language as one fundamental capability that makes us human.

In my **next essay** I shall present a way to think about meaning working bottom-up from the senses. I believe such a constructionist approach will be suitable in this context to ensure that the embodied nature of linguistics is not seen as an afterthought but is indeed a primary principle of how human languages work.

## 2

### **Situated Awareness and Scenes**

The primary objective we seek to resolve is almost instantaneous miracle of human language generation and comprehension. In my previous post on [Embodied Linguistics](#) we

started on the journey to explore how lexical semantics can be grounded in human body. We opened up with a self-evident axiom on embodiment of human language, viz.,

**Axiom 1(Embodiment of Language):** *Human Language is an expression of humans.*

Embodiment of Language axiom scopes the conversation to focusing on how human language has come to being in the context of human body. The import is that without the confines of human body, human language could have some unexpected consequences.

Determination of meaning of a word when language is expressed in other language terms is a case in point. At some level, there is an expectation that meanings of primitive words are just *known*. And with that basic premise variety of interpretations of a variety of expressions are assimilated into the knowledge base. So, how to establish the primitive meanings?

Psychologists and Linguistics have studied by language acquisition process in human infants to determine when a word is born in a child's mind. The question that has been raised is whether there needs to be an existing corpus of linguistic knowledge pre-existing in the human brain or is human brain a blank slate.

Experientially, understanding language acquisition gives insights into learning processes and working with disabilities. Given that verbal-linguistic is one intelligence of the [many intelligences](#), understanding evolution of linguistic abilities can help children have a better quality of life. One aspect of human child development is related to complete dependence of human infant on its parents. Human babies take about 12 months to achieve independent locomotion and a couple of more years before they can communicate and interact effectively. First 5 years of a human baby development is a beautiful time one can spend with the child.

What ever else we can hypothesise, there is one inevitable fact for a human baby – it is born with a human body. Human body is naturally equipped with senses that allows the human child to interact with the environment. Although

the expressed responses of a human child seems limited and basic, we can conclude that there is some perception that helps the child locate itself in the world it exists in. This observation leads us to the next axiom:

**Axiom 2 (Situated Awareness):** *Perception starts with situated awareness.*

Approaching perception as an outcome of sensing and making sense of environment of habitation, senses need a substratum to express their determinations. To make it simple and as general as possible, we can let this substratum be the space-time continuum. So, we define *situated awareness* as the space-time representation of what the senses have sensed. Let us make this a little more concrete. Humans have 5 senses – auditory, visual, olfactory, gustatory and proprioception. Each of these senses can extract features, and mutual configuration of these features due to their possible co-existence. Dynamic nature of the environment of existence demands a combination of a snap-short representation and possible continuations of those representations. Philosophers have offered several viewpoints and have debated extensively on the nature of these representations. For our purposes, we shall keep it simple and look at two dimensions – a space dimension to support a snapshot of the environment and a time dimension to record the evolution of the snapshot. Having established the relationship between representation and space-time continuum, let us view space and time from how sensation occurs. Sensation needs a substrate or *medium* in which it needs to detect an *event*. Static is boring after the first observation. Most senses have evolved to a point where the only interesting thing that happens to a sense is where there is a change or an event in a medium of expression. The medium defines the scope in which that sense can detect signals from the environment. Expanding on this analogy we get the following (draft version) table for the various human senses:

Sense  
Auditory  
Visual

Olfactory  
Gustatory  
Proprioception  
Space or Medium  
Sound conductive medium  
Visible Space  
Air  
Ingested Good  
Self-Boundary  
Time or Event  
Sound  
Light  
Chemical  
Saliva-Digested Chemical  
Musculo-Skeletal movement

The details of the Space-Time continuum to represent the signals detected by the senses is important at a biological level of interaction. However, for our purposes, the fact that the outcome of sense-making of the environment is a set of features and the associated configuration would suffice.

As granularity of perception gets finer, more and more features and configurations emerge.

Experience, learning and labeling contribute to this increase in features. Sensory information conflicts are eliminated at situated awareness through valid configurations. One can imagine, therefore, a snapshot unfolding for a particular sense as signals are processed at a point in time and over a time period. For sake of simplicity let us make the assumption that snap-shot sampling is slower than sense sampling.

Formally, *scene* is a snapshot of sensory perception across all senses. Thus, we can imagine a scene as a topographic representation of sensory perception limited to a sampling interval that includes the sampling frequency of the senses and the integration time to juxtapose all the topographic representations across all senses.

Scenes are important to our analysis moving forward. Using the term scene seems appropriate in this context as a scene typically contains static aspects and dynamic aspects. Scenes offer time ordering, branching and branch predictions. Some scholarship evidence to support use of scenes in this context include:

Leonard Talemý's Force Dynamics is a visual language that uses spatial representation for entities and interaction forces.

Spota theory of Bhartrihari[2] indicates 4 stages in creation-destruction of sound.

Parā: The origin and final subsumption part of the lifecycle of language communication

Pashyanti : First "picture" – still subconscious – of what needs to be articulated

Pashyanti contains the inherent impulse toward expression in time and space.

मध्यम Madhyama: First "mental" representation

वेकारि Vaikhari : Eventual communication

Latest works on Cognitive Grammar are increasing using 2D Visual Representations with annotations to express linguistic operators to go from structural to semantic interpretation of sentences.

With this we have established that at a sense level there is a *Sensory\_scene* that gets constructed as a topographic map of the features and configurations deduced from the signals received from the environment. Situated Awareness can be seen as a consistent combination of *Sensory\_scenes*. It must be clear that *Sensory\_scene* is a construction based on the sensory inputs. To bring back the idea of meaning, *sensory\_scene* are proto-meaning constructs. If a signal is detectable and recognized, that signal has meaning for that sense. This is an important observation as we start to see what can we do next with *Sensory\_scenes*.

Interesting experiments have been constructed to show how much human mind can be fooled into believing alternate representations of *Sensory\_scenes*. *Rubber hand illusion* is a classic experiment where *visual\_scene* can lead to mistaken *proprioception\_scene*. These and other experiments reveal brain wiring and how human mind works. For our purposes, these are interesting detours about quirks of human brain. In our *next essay* we will look into how to move from *Sensory\_scenes* and proto-meaning as

encoded by senses in their topographic maps to higher order cognitive constructs.

### 3

## Talent

Starting from simple axioms on [embodiment of language](#) and [perception being grounded in situational awareness](#), we constructed Sense\_scenes as a topographic representation of sensory data. We also accepted use of term scene as relevant due to its spatial (snapshot) and temporal(evolution) aspects. Key observation we pointed out was that Sense\_scene is rooted in the reality of sense perception. We stretch the idea of detection and encoding of sensory signal to encode a proto-meaning construct. Sense\_scenes are independent of each other due to mutual exclusion on the sensory types. This offers an opportunity to combine the Sense\_scenes as long as certain fundamental aspects are preserved.

By construction of the Sense\_scene, we know that there are two common dimensions across Sense\_scenes namely the spatial and temporal dimensions. Space-time is so fundamental that its importance cannot be under-estimated. As this theory progresses, space-time could be our link to establishing subjective and objective experiences of language.

Sense\_scene is sense specific. In neuroscience literature this is referred as unimodal cognition where the single mode refers to the single sense involved. We briefly touched upon [many intelligences](#) that human body can express. Since each of these intelligences are built on sensory building blocks, it is reasonable to expect a relationship between Sense\_scenes and body intelligences. I will use *talent* to indicate the a body intelligence. Alternatively stated, multiple intelligences are the same a multiple talents. A simple approach would be to consider *Talent\_scene* as a consistent



combination of a selected Sense\_scenes. One expectation is that Talent\_scene is internally consistent on the primary space-time dimensions. Second expectation is that the derived proto-meaning combination that arises due to Sense\_scene combinations leads to meaningful multimodal representations.

Note that I have subtly moved from Sense\_scene proto-meaning to Talent\_scene meaning the moment we moved from unimodal to multimodal representations. This shift is consistent with the definition of talent – it is susceptibility to encoding or symbolic representation. Coding here is the second order integration of Sense\_scene feature sets and configurations that moves past to Talent\_scene description which is internally consistent. As an example, the eyes reporting that limbs move in opposite direction to what proprioception is reporting is indicative of either misinterpretation of information or indicative of impairments. Vertigo is a classic situation where proprioception indicates standing on stable ground however, the distance to the ground as computed by eyes creates a sense of loss of balance. Going past these spurious overrides of perception and replacing them with true and consistent acceptance of Sense\_scenes that contribute to Talent\_scene is what helps a talent to reach higher levels of expertise in that talent.

Conclusion that I am driving towards is that the first cognizable form of meaning arises at the level of Talent\_scene, or in general, in a consistent combination of Sense\_scenes. Conversely, anything that can be perceived as meaningful will have to eventually terminate in its pointer chasing to a Talent\_scene representation. Since the link from the Talent\_scene to the Sense\_scene is rather immediate, meaning is eventually grounded at Sense\_scene level. Thus, our constructive approach from senses to Sense\_scenes to Talent\_scenes leads to one embodied explanation of where meaning eventually is realized in the linguistic cognition process.

Let us investigate the embedding of Talent\_scene in the space-time dimensions. Internal consistency means that Sense\_scenes don't contradict the inferred proto-meaning of each other. This is self-evident based on the fact that senses are by definition independent. In other words, eyes cannot verify what ears hear. At the same time the sampling frequencies of each of the senses can be assumed to be different allowing each sense to accommodate information from other Sense\_scenes to get integrated into the Talent\_scene. Another advantage of having different sampling rates allows for differential treatment of attention to different Sense\_scenes. Attention as a cognitive capability is a study by itself which is not directly related to emergence of meaning from utterance but does have an influence. So, we will not be investigating attention anymore.

As Sense\_scenes evolve, so do Talent\_scenes. Consequently, the predictive properties of Sense\_scenes as learned/experiences continuations offer predictive evolution of Talent\_scenes. In order to have efficient recall to support prediction faster than the occurrence of the event, calls for the next axiom on memory representation.

**Axiom 3 (Memory):** Memory is stored as space-time patterns

The consequence of memory patterns in space-time is that a "thread" of continuity is picked as opposed to assembling a sequence of multi-branch transitions. The continuity thread can have arbitrary look-ahead. Experts in various talents have essentially mastered the multi-step continuity representation in memory as patterns of possible evolutions. This allows them to freely combine various patterns that allows them to predict different outcomes offering them a multiple options to choose from. Think of a freestyle jazz musician or street dancer or a chess Grandmaster. The difference between an expert and an artist comes with the dexterity of scanning through the memory pattern space and stringing together unique expressions that

create an aesthetic effect. Without having the possibility of memory as a space-time pattern, these artistic expressions would be harder to explain.

Memory axiom tells us about an efficient form of memory that is useful in our context. At this point we don't yet have the machinery to describe memory or its recall in more detail. That is why we take as a consequence of memory axiom the possibility of recall of the entire memory pattern. Once I have learned more about human brain and memory systems, I shall come back and revise this section to reflect my latest understanding. At this point, I politely seek excuse from the reader for being not precise here.

Dynamic space-time representation of memory does not mean that state representations are not important. Attentive reader would have noticed that we started with feature sets and configurations that constituted the Sense\_scene. At the level of Talent\_scenes, feature sets and configuration of the ensemble of Sense\_scenes is a good candidate for the state of that Talent\_scene. Why are states of Talent\_scene important?

We have posited that meaning originates as proto-meaning at the level of Sense\_scene as a consistent feature set and configuration. We have transcended from Sense\_scene to Talent\_scene as an abbreviation of relevant Sense\_scenes to be combined to give rise to meaning at Talent\_scene level. At the same time, we have insisted that there should be consistency maintained at all times. Alternatively, evolution of meaning can be seen as a consensus task specification of a distributed system. This formulation opens up the possibility of interesting ideas from [Maurice Herlihy](#)'s work characterizing distributed systems using combinatorial topology. At this point we will not delve into what options that direction of investigation can lead us to. However we note at this point that combinatorial topology could provide some

insights into organization of human brain to support computation of lexical semantics.

Our bottom-up constructionist approach has got us to a point of Talent\_scene which is a useful construct. It is sufficiently archetypical since it is closely linked to Sense\_scene. At the same time, being inherently multi-modal, it offers a concrete setting for lexical meaning to be grounded in. In order to complete the relationship between the meaning representation of Talent\_scene to the meaning representation of linguistic expression, we need to approach top-down from language perspective.

In our next essay we will explore structural linguistics to reveal insights that can help establish the connection between meaning embedded in a Talent\_scene and the meaning indicated in a linguistic expression.

4

## **Space-Time Dynamics of Human Language**

Language has been referred to as a game between a speaker and a listener where the speaker makes an assumption of hearer's mental context and develops the next utterance to influence hearer's mental context to come closer to speaker's mental context. Likewise, the hearer does the same with speaker's mental context. Good news is that this game terminates rather fast – hearer understands the meaning and intent of the speaker in finite time. Almost every linguistic computation necessarily terminates. Whether the intended effect of meaning and understanding is conveyed or not, the termination of linguistic processing is guaranteed.

The phrase “space-time dynamics of human language” can be interpreted in several ways:

- A way to measure the complexity of processing human language as a computational process using a certain computational model.

Mechanisms to represent space and time dimensions in human language  
Syntactic and structural constructs of lexical items in order to influence the space-time aspects of the underlying Talent\_scene.

As the reader would have guessed, we are looking into the third interpretation – what are the structural linguistics mechanisms, markers and processes that can help qualify space and time attributes in way to compute the task of meaning evolution? There are two core principles that we will rely upon to build out our argument that follows:

**Axiom 4 (Syntax) :** Syntactically incorrect statements are necessarily ambiguous or plain nonsense.

**Axiom 5 (Sentence):** Sentence is the minimal complete unit to transfer meaning from a speaker to a hearer.

Syntax axiom is self evident from language acquisition process of a human child when incorrect statements are corrected to a point by when utterances are usually conformant to the grammar prevalent for that language.

Sentence axiom needs some explanation since sub parts of sentence like words and syllables are often seen as units of meaning. Some useful pointers that support this axiom are as follows:

Sanskrit grammarians like Nagesha Bhatta have explicitly stated that fragments of a sentence are in grammarian's imagination while sentence alone conveys complete meaning.

Sentiment extraction as an automated computational linguistic process needs at least a sentence to determine tone and intent of the utterance. An entire discourse helps to determine the sentiment better.

Quality of Text processing using Machine Learning improves when longer sentences are parsed.

When a speaker utters sentence fragments, a listener fills in necessary wildcards with appropriate ones based on the context in order to follow a speaker's intent.

Moving from a sentence fragment to a completed sentence has been indicated as context dependent. We can go one step further using the vocabulary we have developed so far.

Context of communication for us is a **Talent\_scene** that is shared between a speaker and a listener. More precisely, the same set of Sense\_scenes need to be evoked in order to arrive at a successful communication. For example, I cannot point out beauty of birds flying when my teenager is busy looking into his device. There needs to be a shared Talent\_scene that has to co-evolve even as language communication points out to nuances of consensus that needs to occur.

In literature shared Talent\_scene is referred to as shared attention. Shared attention in classical sense could lead to an infinite regress as mental states of speaker and listener keep approximating each other – much like Zeno's paradox. And just like how Zeno's paradox is resolved by resorting to terminating sequences that converge to a limit, shared attention has to necessarily converge. Talent\_scene offers a simple 2 step convergence by reaching a consensus between the Sense\_scenes of a speaker and a listener. First step is to ensure that the same set of Sense\_scenes are evoked. Second step is to arrive at consensus between speaker's Sense\_scene listener's Sense\_scene. While feature sets and configurations of speaker and listener can differ, consensus requirement here means coexistence without contradictions. Thus, we don't seek a perfect equivalence but more a reasonable mapping that is consistent with speaker's and listener's experience and attention.

Without communication of any kind, possibility of convergence between Talent\_scenes of distinct individuals is random. Predictable convergence is only possible when there is a nudge in the right direction. Since communication exists in almost all species at different levels of sophistication, converging to a shared Talent\_scene is a universal observation across all life forms. Here again we remind ourselves that our focus is on human language communication and how human language can accelerate this convergence to a shared Talent\_scene across individuals or communities. What we are looking for in human language is therefore some markers that can align

Talent\_scenes. By now reader would have guessed that I would be using space-time as my primary dimensions. Objectivity of space-time is well established in physics. Philosophers over the years have grappled with space-time experience of humans and have accepted the inevitable conclusion that we experience space and time in a similar way. In our vocabulary, Sense\_scenes are built from senses which have same bio-physics construction and have same bio-chemical basis. Given that sensory apparatus is the same, we can safely assume that for individuals without impairments, there exists a reasonable morphism between features sets and configurations of one individual to another and vice versa. At Sense\_scene level, there should be no confusion that similar topographic maps are created. So, applying the yardstick of space-time as a convergence accelerator for Talent\_scenes is sound.

Let us now turn our attention to two prominent categories of lexical terms – verbs and nouns. While English as a language has been extremely well studied, it is also notoriously difficult to analyze from a structural linguistics point of view. My own simplification to this conundrum (although I am fluently expressing what I think in English in this blog!) is to revert back to Sanskrit as a classical language. If the reader has not noticed earlier(!), I have repeatedly reverted to Sanskrit grammatical literature to substantiate some crucial points in my argument so far.

Sanskrit (and Latin I am told) offer morphology at the level of verbs and nouns. Without going into too much detail, let me summarize my key observations on Sanskrit Verbs and Sanskrit Nouns are as follows. To keep the focus on the lexical items, I drop Sanskrit as the prefix since for rest of this paragraph, I refer to only Sanskrit Verbs and Sanskrit Nouns.

Verbs represent actions. In our exploration context, this encodes time aspect of the scene.

Nouns represent entities and their relationships. In our exploration context, this encodes spatial representation of entities.

Verb morphology is a result of Mood/Tense (लकार), Number(वचन) and Voice(पुरुष)

Noun morphology is a result of Declension (विभक्ति), Number(वचन) and Gender(लिङ्ग)

**Karaka (कारक) theory** describes the agent action relationship which is eventually realized as cases or declensions of the noun.

In short, every sentence has clear space and time representations that scope the alignment criteria for the associated Talent\_scene.

Need for Statement axiom becomes clear at this point since spatial representation and interaction model of various entities cannot be deduced successfully based on fragments – all entities and their relations in space and time are needed to construct an unambiguous scene. Here I use success not in the sense of possibility to create a scene – but rather to create a scene the speaker intended. On the other hand, note that there can be several consistent scenes that can come from one complete sentence. Similarly, several possible sentence fragment continuations can be predicted each leading to several consistent scenes. Economy of representation and efficiency of convergence towards meaning demands that as few scenes as possible are realized as part of meaning task evolution. A further constraint on number of scenes is offered by the evolution path of scenes – not every scene can be a valid successor. So, with three dimensions of constraints – spatial, temporal and evolving context of meaning – a speaker is able to successfully convey her intent to a listener.

In summary, we have identified space-time markers embedded in a sentence. These space time markers align Talent\_scene of speaker and listener leading to a possible set of scenes that can be derived from a sentence in isolation. This set is reduced to exactly one in the mind of the listener by applying constraints of meaning evolution based on listener's experience. As meaning task gets successfully executed, the net meaning determined so far is represented as current level of alignment between Talent\_spaces of the speaker and the listener



which then becomes the evolution constraint for the next sentence.

Even as speaker and listener seek to reduce their differences of interpretation based on their shared Talent\_space, misunderstandings can occur. Discovery of misunderstanding is when space-time markers of speaker's utterance violates some consensus condition in the Talent\_scene evolution of the listener. This leads to backtracking to a point where the listener diverged in the evolution of the Talent\_scene as compared to the speaker. A few corrective statements that rejig the Talent\_scene leads to conversation proceeding as intended.

With this exposition, we have arrived at a way in which meaning is fully embodied and is at most a two-step computation from a linguistic expression to the underlying sensory experience. I have taken a simple route to express the relationship between lexical terms and sensory experience. It does look like a baby's vocabulary to me – simple nouns and simple verbs that have simple meanings coming from direct sensory experiences.

For English readers, there might be a sense of disappointment since I have used Sanskrit as my language to base my arguments. One observation that I gathered from my study of English language is the plethora of prepositions. With prepositions, English has effectively done away with noun morphology entirely. Thus, with verbs to represent the time argument and prepositions freeing nouns from transforming, English has been able to spectacularly spread across the planet. Two points that I would like to highlight about English are:

Prepositions have liberated English from noun morphology. This has led to free borrowing of nouns from other languages or experiences. Furthermore, nominal verbs – or verbs derived from nouns – are constantly being created.

For example, Google as a company that made internet search engine has lent itself to a verb form "go google it" to indicate "do a web search". Xerox in the previous decades enjoyed a similar synonymity with photocopying.

Cost of removing noun morphology has been word order and punctuations. Without clear word order, the associated Talent\_scene convergence between speaker and listener can quickly go from single evolution steps to multiple evolution steps. And that leads to lower efficiency in transmission of intent from a speaker to a listener.

Several generations of scholars have explored this space seeking to find some tangible pattern to capture the miracle of human language. In my own way, I have put forth a theory that I think is simple enough to understand. Embodied linguistics is a clean way to keep lexical semantics computable in at most two steps. I have demonstrated this for a baby language that is direct and where Talent\_scene is a simple union of underlying Sense\_scenes. Just as a baby moves from a limited vocabulary and limited grammar to a level of acceptable language fluency, I see this argument improving over time with more details on various devices we see in human language. Before I close, I would like to remind readers that semantic validation is a consensus seeking protocol and prediction is a possible space-time continuation memory pattern.

This completes my 4 part series that introduced readers to [embodied linguistics](#), explored [situated awareness and scenes](#), introduced concept of [Talent\\_scene](#) that is a foundation for grounding shared meaning and finally identified space-time markers in human language to complete bi-directional mapping between Sense\_scene and Linguistic expression.

? who are you writing at

**393.01 @ 21:08**

**32.63.244 — 17.08.21**

saw palmetto

**393.02 @ 20:08**

**32.64.245 — 17.08.22**

gendo

muscular aspects

half lotus

head-balancing while sitting

experiment with your neck

planting tongue in roof of mouth

michael combs human spirit

jim jenson

the surrender experiment

**393.09 @ 18:48**

**32.71.252 — 17.08.29**

torrentbox.com

h33t.biz

**393.14 @ 20:40**

**32.76.257 — 17.09.03**

one of the first “disclaimers”

for

not for people who aren't willing to risk

all their relationships

probably not for married people unless

they do it together

the belts

red	the (90 minutes + test)
yellow	3 more stupidities (
disclaimer	
green	“to be” (the fifth stupidity)
blue	monky
violet	yokozuna

## **stop statins for a week**

welcome all you new members  
this place has exploded in population  
recently

i've been quite harsh in my criticism of  
the caliber of posts recently  
and i want to take that back

i'd like to explain my previous reaction

danny  
? do i fight for efficiency or let it go  
history:  
i worked with 3-4 publishers, 8-10  
editors  
over the years, we developed an  
efficient system  
i've trained all the editors in the past 5-7  
years

maybe your saving enough elsewhere  
that you don't mind an extra 3 or 4  
hrs/wk  
due to inefficiency  
i'm ok with it either way  
but you guys trained me to be ruthless  
with efficiency  
and i'm sticking with it until you tell me  
otherwise

about steven ...  
his car  
everyone in the office hates his guts

egotistic  
selfish  
abusive  
uninformed  
incompetent  
not particularly intelligent

**393.19 @ 22:49**  
**32.81.262 — 17.09.08**

the sentence below is from an article  
about new strategies in education

“The program gets harder as children  
succeed but easier if they struggle.”

that is such a bad articulation of the  
issue  
a better rendering might be...

“the program gets more challenging as  
children succeed  
and more supportive if they struggle”

**393.25 @ 19:40**

**32.87.268 — 17.09.14**

it's pathetic...  
the amount of utter bullshit that passes  
for philosophy  
people speak/write as though they  
actually know the ultimate nature of  
“reality”  
they speak of “the good” and “the evil”  
and “the self” and “consciousness”  
they believe they know what they're  
taking about

but they don't know  
you don't know  
i don't know  
anyone who does CLAIM to know  
is a liar or a fool

the nature of “i” is perhaps the greatest  
mystery of all

we're only now beginning to get a  
handle on how to ask better, more  
powerful and insightful questions  
about our experience

the next few decades are gonna be  
quite a ride  
fasten your epistemological seat belts

the challenge before us is to wake up  
from the trance of language

it's OK to not know  
it's dangerous to pretend you do

**393.27 @ 14:32**

**32.89.270 — 17.09.16**

**153.9 lbs**

**393.29 @ 20:50**

**32.91.272 — 17.09.18**

“selves” operate on multiple  
scales of temporal focus  
milliseconds  
seconds  
minutes  
days  
moons  
years  
centuries  
millennia

? which one is the real one

**394.01 @ 19:35**

**32.92.273 — 17.09.19**

? how much have you changed since you  
were 10 years old  
? is it possible to change that significantly in  
5 minutes

**394.03 @ 19:36**  
**32.94.275 — 17.09.21**

vietnam  
mistaking an end of colonialism  
for a communism/capitalism analysis

**394.05 @ 08:32**  
**32.02.277 — 17.09.23**

**394.07 @ 22:44**  
**32.04.279 — 17.09.25**

**394.08 @ 22:34**  
**32.05.280 — 17.09.26**

**394.09 @ 21:10**  
**32.06.281 — 17.09.27**

Bob...  
the source of my universe  
Earth  
RØ  
VYHAVN̄RITN̄INFONŲGRAFIKS  
INŲVERYLVNTVYM

**394.11 @ 19:46**  
**32.08.283 — 17.09.29**



from a guy who renounced his  
citizenship in the ken burns video  
series "vietnam war"  
"in my heart, i'm an american"  
how sad

lion...  
the kids can't see that their parents are  
brain-damaged language monkeys

i was lucky  
i didn't always blame myself for  
unfortunate circumstances  
i came to an opinion quite early that  
adults made up stories that were  
bullshit  
i couldn't really trust anyone  
i was going to have to figure it out for  
myself  
i realize now that asperger's syndrome  
illuminates some portion of my  
experience  
i have a whole new theory of "mental/  
personal" construction but i haven't  
had time yet to articulate it  
it's a complex, multidimensional  
process  
we are all brain-damaged language  
monkeys  
each in a unique way

i don't have to deal with thousands of  
beliefs

i break it at the source...

identification with the voice in the  
head

don't believe everything you hear  
your language machine say

my intention is to eliminate belief itself  
and replace it with a matrix of  
consciously chosen assumptions

it reminds me of "horseless carriage"  
continuing to think in terms of old  
"realities"

"automobile" was a great tech term  
"car" became common

belief, itself, is the great sin  
operate on conscious assumptions

i think it's a mistake to even use the  
word "belief"

"assumption" says everything that  
needs to be said, with fewer  
metaphysical assumptions

it's just the best story i've been able to  
frame...  
so far

**394.13 @ 22:51**

**32.10.285 — 17.10.01**

marketing gendo to “expecting”  
couples

**394.15 @ 19:13**

**32.12.287 — 17.10.03**

**394.16 @ 17:48**

**32.13.288 — 17.10.04**

**394.19 @ 21:29**

**32.16.291 — 17.10.07**

time to wake from the trance

from the start, humans have assumed  
that the stories they lived by  
where more or less accurate  
representations  
of THE WAY IT REALLY IS  
that worked ok as long a humans lived  
in small, isolated communities  
they could hold wildly different world  
views and that created no problems

but once agriculture and “civilization”  
emerged those communities began  
to bump into each other

it's time we realize the error of our  
historic assumptions  
it's time to wake up from the trance of  
language

all we have is our immediate sensory  
experience

and our stories about that  
experience

none of our stories are THE WAY IT  
REALLY IS  
they're just the best stories we've been  
able to come up with... so far

anyone who says they know what  
“reality” really is... is a liar or a fool...  
possibly both

**394.23 @ 13:55**  
**32.20.295 — 17.10.11**

**152.9 lbs**

**394.25 @ 12:53**  
**32.22.297 — 17.10.13**

**151.6 lbs**

**395.01 @ 12:53**  
**32.28.303 — 17.10.19**

thank you Creator  
for giving me my life  
help me remember  
that it is you alone i deal with

in everything i experience

**395.02 @ 23:31**

**32.29.304 — 17.10.20**

### **big deals...**

language machine

breaking identification with the language  
machine

“i” is a mystery

all we have is experience and  
stories about experience

a map is not the territory

building on a foundation

this is a story

once again we are without an editor  
and will probably get a new one  
(soon?)

For the past ten years i’ve trained every  
editor on how to submit stuff to  
production on press day

once they were trained on the existing  
system, they could suggest ideas to  
change it

and changes have occurred many times  
in those 10 years

anyway, vince abandoned this  
procedure after freeman left and it’s  
been a nightmare ever since

working with amaya was a tedious and  
costly  
the result was adding 2-4 hours a week  
to production time

steven hasn't a clue about production

please let me train the editors on how  
to submit stuff for production

so, i would appreciate it if you would  
make it clear that he tells whoever  
becomes editor (or acting editor) that  
i will train them on how to submit  
stuff for production

you don't need to respond to me on  
this unless you feel a need for more  
information

thanks

**395.07 @ 14:15**

**32.34.309 — 17.10.25**

**151.5 lbs**

**Earth party**

heal environment

end capitalism

end unconscious assumptions

create paradise

**395.08 @ 19:29**

**32.35.310 — 17.10.26**

i'm interested in language and its  
influence  
on our thinking and our concepts of  
“self” and “reality”

**395.10 @ 13:31**

**32.37.312 — 17.10.28**

**150.6 lbs**

i figure my work in language  
and its influence on every aspect  
of human behavior  
is of interest to between 2 and 5%  
of language monkeys (as of 2017)  
there are more than 50,000 members  
if my estimate is close,  
there are more than 1,000 people  
here  
who could make great use of my  
work

**395.12 @ 09:35**

**32.39.314 — 17.10.30**

**149.8 lbs**

**395.16 @ 17:00**

**32.43.318 — 17.11.03**

yes...

i am judgmental

about the caterpillar

not that it's "morally" evil

but that it's the past

i'm judgmental about behavior of

language monkeys who are under

the spell of the caterpillar

the "way of being" we have inherited

from our knuckle-dragging ancestors

worked great until recently

the problems have become critical in

the past century

and more recently...

there is so much suffering in Earth...

war, anger, violent crime, stupidity,

unconsciousness, poverty,

homelessness, refugees, disease,

mental illness, emotional distress,

is this the kind of world you prefer to live

in

is this acceptable to you

or not

it is not acceptable to me

we can do better

#####



you are unassailable by way of having  
said nothing of any consequence

**395.17 @ 23:14**

**32.44.319 — 17.11.04**

the shock of realizing my vision was  
flawed  
the shock of realizing my thinking was  
flawed

**395.18 @ 12:43**

**32.45.320 — 17.11.05**

**149.1 lbs**

**395.19 @ 21:34**

**32.46.321 — 17.11.06**

**395.26 @ 20:43**

**32.53.328 — 17.11.13**

**the voice in your head  
is not something YOU are doing  
it's something happening TO you  
you have been hijacked  
by your own language machine  
waking from the trance of language  
is a game-changer**

**395.28 @ 19:53**

**32.55.330 — 17.11.15**

**396.01 @ 00:16**

**32.58.333 — 17.11.18**

<https://neoyuva.wordpress.com/2017/08/17/introducing-embodied-linguistics/>

RØLYN

**396.11 @ 20:59**

**32.68.343 — 17.11.28**

**396.23 @ 19:35**

**32.80.355 — 17.12.10**

**396.28 @ 22:41**

**32.85.360 — 17.12.15**

**questions for optometrist**

? will my vision be AS GOOD AS  
GLASSES if i get contacts for  
astigmatism

? what exact hand cleaning procedure

? what about lenses that can be left in  
place for days/weeks

i can't see any difference between  
when they're flipped one way or the  
other

**397.01 @ 18:55**

**32.87.362 — 17.12.17**

**397.02 @ 23:34**

**32.88.363 — 17.12.18**

good teaching analogy

from cartesian to spherical coordinate  
system

western culture has been under the  
spell of descartes

we have mistaken A way of thinking  
about our experience with...

THE way it really is

there are NO three dimensions

it's only a way of thinking

it's not a bad or incorrect way of  
thinking

but it's NOT THE WAY IT REALLY  
REALLY IS

3000 years ago everyone KNEW

that the "heavens" revolved around  
Earth

anything else was ridiculous

the answer isn't to find the answer

the answer is to get comfortable with

not knowing... not being able to  
capture it in language

